



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

INSPECTION REPORT

Partial: X Complete: Exploration:

Inspection Date & Time: November 23, 1999, 9:30 AM to 12:00 PM

Date of Last Inspection: October 13, 1999

Mine Name: Hiawatha Complex County: Carbon Permit Number: ACT/007/011

Permittee and/or Operator's Name: Hiawatha Coal Company

Business Address: P. O. Box 1202, Huntington, Utah 84528

Type of Mining Activity: Underground X Surface Prep. Plant Other

State Officials(s): Paul Baker, Wayne Western and Daron Haddock

Company Official(s): Jim Stoddard Federal Official(s): None

Weather Conditions: Mostly cloudy, 20's, about an inch of snow in the canyons

Existing Acreage: Permitted- 12707 Disturbed- 290 Regraded- Seeded- Bonded- 290

Increased/Decreased: Permitted- Disturbed- Regraded- Seeded- Bonded-

Status: Exploration X Active Inactive Temporary Cessation Bond Forfeiture

Reclamation (Phase I/ Phase II/ Final Bond Release/ Liability Year)

REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

Instructions

- Substantiate the elements on this inspection by checking the appropriate performance standard.
 - For complete inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check N/A.
 - For partial inspections check only the elements evaluated.
- Document any noncompliance situation by referencing the NOV issued at the appropriate performance standard listed below.
- Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
- Provide a brief status report for all pending enforcement actions, permit conditions, Division Orders, and amendments.

	EVALUATED	N/A	COMMENTS	NOV/ENF
1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. SIGNS AND MARKERS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. TOPSOIL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. HYDROLOGIC BALANCE:				
a. DIVERSIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. SEDIMENT PONDS AND IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. OTHER SEDIMENT CONTROL MEASURES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. WATER MONITORING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. EFFLUENT LIMITATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. EXPLOSIVES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. NONCOAL WASTE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. SLIDES AND OTHER DAMAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. CONTEMPORANEOUS RECLAMATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. BACKFILLING AND GRADING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. REVEGETATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14. SUBSIDENCE CONTROL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. CESSATION OF OPERATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. ROADS:				
a. CONSTRUCTION/MAINTENANCE/SURFACING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DRAINAGE CONTROLS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. OTHER TRANSPORTATION FACILITIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. SUPPORT FACILITIES/UTILITY INSTALLATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS CHECK (4th Quarter-April, May, June)_(date)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. AIR QUALITY PERMIT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. BONDING & INSURANCE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

INSPECTION REPORT

(Continuation sheet)

PERMIT NUMBER: ACT/007/011

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DATE OF INSPECTION: November 23, 1999

(Comments are Numbered to Correspond with Topics Listed Above)

1. Permits, Change, Transfer, Renewal, Sale

On November 9, 1999, the Division gave partial and conditional approval to the September 13, 1999, response to Division Order 97A. The condition was met November 22, 1999, when Hiawatha Coal submitted clean copies of the response. The next response to the Division Order is due December 15, 1999.

The response to Division Order 99A was approved October 20, 1999.

On October 27, 1999, the Division completed the midterm review. The operator need to continue to maintain drainage control structures, and some sediment ponds are approaching the sediment storage capacity and should be cleaned soon. While not required, the Division recommended the operator amend the plan to allow removal of sediment pond 5. The Division has now received an amendment proposing to remove this sediment pond, and it is under review. The only maintenance item noted during the field inspection was rilling on the east-facing slope of slurry pond 5.

3. Topsoil

The operator is continuing to spread soil on slurry pond 5. The area where rilling was noted in the past has been gouged, but the operator did not incorporate alfalfa hay as the Division recommended.

4. Hydrologic Balance

a. Diversions

Portions of the outside berm of the ditch on the southeast side of slurry pond 5 (DD-3) are low and need to be built up. Mr. Stoddard indicated there is some rock just below the surface in this area and it is difficult to grade. If this is the case, it may be necessary to bring in some material from another area.

There are some problems with drainage control near the coal stockpile areas in both South and Middle Forks, and these need to be resolved both on the ground and in the mining and reclamation plan. In South Fork, there is a gully near the concrete retaining wall at the drop to the loadout area. The plan does not show a berm or other drainage control structure in this area, but a berm would keep water from going down the hill and making the erosion problem.

In Middle Fork, there is a ditch extending from the southeast side of the main pad along the south side of the coal stockpile down to the loadout area, and this ditch is not shown in the plan. I have previously commented about the need for drainage control from the stockpile area to the loadout.

d. Water Monitoring

On November 30, 1999, I received a message from a Division hydrologist indicating there appears to be a trend toward increasing TDS and associated ion levels at some of the water monitoring points in Middle Fork. A hydrologist needs to examine this apparent trend and attempt to determine the cause.

13. Revegetation

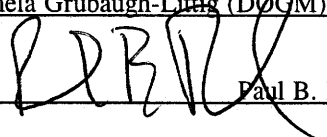
I checked the seed label on a bag of seed being used for revegetation of slurry pond 5. It matches what is shown in the plan except for some changes the Division approved.

The report for the October inspection discusses some areas that were not seeded a few years ago. The operator has now gouged most or all of these areas and has been seeding them.

Copy of this Report:

Mailed to: Elliott Finley (Hiawatha Coal Co.), James Fulton (OSM)

Given to: Pamela Grubaugh-Littig (DOGM)

Inspector's Signature: 

Paul B. Baker #41

Date: December 3, 1999